

Converting Colors

XYZ(12.2373, 11.8950, 11.8005)

Have a look what the booklet for
XYZ(12.2373, 11.8950, 11.8005)
contains.

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Color

**XYZ(12.2765, 11.9164,
11.7783)**

Conversions

Conversions Part 1

Format	Color
Hex	6E5D5C
RGB	110, 93, 92
RGB Percent	43%, 36%, 36%
CMY	0.5686, 0.6353, 0.6392
CMYK	0.00, 0.15, 0.16, 0.57
HSL	3°, 9%, 40%
HSV	3°, 16%, 43%
XYZ	12.2765, 11.9164, 11.7783
YIQ	97.9690, 10.4530, 3.2930

Conversions

Conversions Part 2

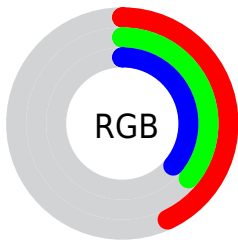
Format	Color
R_{YB}	110, 93, 92
Decimal	7232860
CIE Lab	41.08, 6.70, 3.12
CIE LCh	41, 7.390, 25.004
Yxy	11.9164, 0.3413, 0.3313
Android (android.graphics.Color)	4285422940 (0xFF6E5D5C)
YUV	97.9690, -2.9427, 10.5512
Hunter-Lab	34.5201, 3.0702, 3.9343

Details

The XYZ color **12.2765, 11.9164, 11.7783** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6966, 14.3380, 16.8502**, and the grayscale version is **11.6073, 12.2117, 13.2986**.

A 20% lighter version of the original color is **29.6052, 29.2793, 29.6823**, and **3.4963, 3.2544, 3.0287** is the 20% darker color. If you saturate the color by 10%, you get **10.9796, 10.0369, 9.1434**, and if you desaturate by 10%, it is **13.7678, 14.0727, 14.8228**.

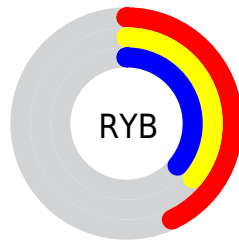
Distribution



Red (43%)

Green (36%)

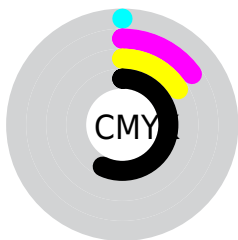
Blue (36%)



Red (43%)

Yellow (36%)

Blue (36%)

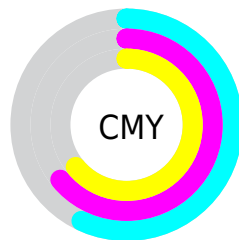


Cyan (0%)

Magenta (15%)

Yellow (16%)

Black (57%)



Cyan (57%)

Magenta (64%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2765, 11.9164, 11.7783 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 12.2765, 11.9164, 11.7783 by changing the saturation by 10% instead.

■ 12.2765, 11.9164,
11.7783

■ 12.2765, 11.9164,
11.7783

199.9600,
203.8511, 213.8576

■ 7.0058, 6.6868,
6.4722

■ 29.6102, 29.3428,
29.7490

■ 3.5121, 3.2670,
3.0609

■ 42.4039, 42.3083,
43.2507

■ 1.4300, 1.2727,
1.1258

■ 58.4361, 58.6212,
60.3213

■ 0.2774, 0.1199,
0.0000

■ 78.0719, 78.6660,
81.3794

■ 0.0000, 0.0000,
0.0000

101.6769,
102.8269, 106.8436

129.6164,

131.4885, 137.1323

162.2556,
165.0351, 172.6641

■ 12.2765, 11.9164,
11.7783

■ 12.2765, 11.9164,
11.7783

■ 10.9796, 10.0369,
9.1434

■ 13.7678, 14.0727,
14.8228

■ 9.8680, 8.4214,
6.8999

■ 15.4601, 16.5146,
18.2926

■ 8.9338, 7.0587,
5.0294

■ 17.3606, 19.2526,
22.2035

■ 8.1676, 5.9358,
3.5116

■ 19.4762, 22.2962,
26.5700

■ 7.5595, 5.0389,
2.3245

■ 21.8133, 25.6544,
31.4062

■ 7.0985, 4.3528,
1.4434

■ 24.3782, 29.3359,
36.7257

■ 6.7719, 3.8601,
0.8401

■ 27.1766, 33.3490,
42.5412

■ 6.5598, 3.5387,
0.4522

■ 30.2145, 37.7018,
48.8652

■ 6.4969, 3.4479,
0.3231

■ 33.4971, 42.4019,
55.7097

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



12.3736, 11.9164, 13.2311



12.2765, 11.9164, 11.7783



11.9216, 11.9164, 10.7248

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12.2765, 11.9164, 11.7783



10.5105, 11.9164, 11.3698



11.2375, 11.9164, 16.1099

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12.2765, 11.9164, 11.7783



12.6966, 14.3380, 16.8502

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.7509, 11.9164, 15.5196



12.2765, 11.9164, 11.7783



10.3396, 11.9164, 12.7221

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12.2765, 11.9164, 11.7783



10.9003, 11.9164, 10.5022



10.4262, 11.9164, 14.2500



11.7631, 11.9164, 15.8082

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12.2765, 11.9164, 11.7783



11.5923, 11.9164, 10.3515



10.4262, 11.9164, 14.2500



11.0642, 11.9164, 16.0079

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12.2768, 11.9169, 11.7786



24.5252, 25.2142, 26.7403



13.0234, 12.0757, 16.1407



5.6729, 5.8180, 6.1524



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.2768, 11.9169, 11.7786



20.5698, 19.4938, 18.6698



13.1038, 13.5709, 12.0542



3.3980, 3.4286, 3.5560



7.7974, 4.1272, 0.3857



38.6353, 20.1458, 1.8522

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12.6966, 14.3380, 16.8502



21.4694, 24.6824, 29.5399



11.7950, 12.5348, 16.5497



3.4598, 3.7849, 4.3024



9.3061, 13.2024, 19.7794



46.1459, 65.3437, 98.4596

Previews

White Background



This preview shows how the XYZ color 12.2765, 11.9164, 11.7783 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.2765, 11.9164, 11.7783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2765, 11.9164, 11.7783

Background



This preview shows how black text looks on a background with the XYZ color 12.2765, 11.9164, 11.7783.



This preview shows how white text looks on a background with the XYZ color 12.2765, 11.9164,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

12.2765, 11.9164, 11.7783

Protanopia

11.4407, 12.0102, 12.3049

Deuteranopia

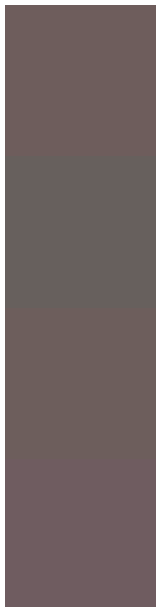
12.1188, 11.9663, 11.7962



Tritanopia

12.6348, 11.9347, 13.4421

Trichromacy



Original Color

12.2765, 11.9164, 11.7783

Protanomaly

11.7522, 12.0396, 12.0604

Deuteranomaly

12.2411, 12.0293, 11.8019

Tritanomaly

12.4940, 11.8783, 12.7006

Monochromacy



Original Color

12.2765, 11.9164, 11.7783

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.7737, 12.0351, 12.7688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2765, 11.9164, 11.7783 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(110, 93, 92) looks like.

```
.text, #text, p{  
    color:rgb(110, 93, 92)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(110, 93, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 93, 92) }
```

Border

The CSS property to change the border of an element to XYZ 12.2765, 11.9164, 11.7783 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 93, 92) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(110, 93, 92) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(110, 93, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 93, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 93, 92);  
box-shadow:4px 4px 4px 4px rgb(110, 93,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2765, 11.9164, 11.7783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 93, 92) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(110, 93,  
92) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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